

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/006,883

DATE: 12/17/2001
TIME: 10:47:08

Input Set : A:\RTS-0337 Sequence Listing.txt
Output Set: N:\CRF3\12172001\J006883.raw

Re PS, b, too
PPS, 1

3 <110> APPLICANT: Kenneth W. Dobie
5 <120> TITLE OF INVENTION: ANTISENSE MODULATION OF NOD1 EXPRESSION
7 <130> FILE REFERENCE: RTS-0337
9 <140> CURRENT APPLICATION NUMBER: US/10/006,883
9 <141> CURRENT FILING DATE: 2001-12-05
9 <160> NUMBER OF SEQ ID NOS: 96
12 <210> SEQ ID NO: 1
13 <211> LENGTH: 20
14 <212> TYPE: DNA
15 <213> ORGANISM: Artificial Sequence
17 <220> FEATURE:
19 <223> OTHER INFORMATION: Antisense Oligonucleotide
21 <400> SEQUENCE: 1
22 tccgtcatcg ctcctcaggg 20
25 <210> SEQ ID NO: 2
26 <211> LENGTH: 20
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
32 <223> OTHER INFORMATION: Antisense Oligonucleotide
34 <400> SEQUENCE: 2
35 atgcattctg cccccaagga 20
38 <210> SEQ ID NO: 3
39 <211> LENGTH: 4390
40 <212> TYPE: DNA
41 <213> ORGANISM: Homo sapiens *> delete duplicate <220> (Please correct this in subsequent sequences)*
43 <220> FEATURE:
45 <220> FEATURE:
46 <221> NAME/KEY: CDS
47 <222> LOCATION: (425)...(3286)
49 <400> SEQUENCE: 3
50 ctctagctct cagcggtctgc gaagtctgtta aacctgggtgg ccaagtgatt gtaagtcagg 60
52 agactttcct tcgggttctcg cctttgatgg caatttcctt cggtttctgc ctttgatggc 120
54 aagaggtgga gattgtggcg gcgattacag agaacgtctg ggaagacaag ttgctgtttt 180
56 tatggaaatc gcagggttgg aagagacaga agcaattcca gaaataaatt ggaaattgaa 240
58 gatttaaaca atgttggttt aaaatattct aacttcaaag aatgtatgcga gaaacttaaa 300
60 aaggggctgc gcagagtagc agggggccctg gagggcgccgg cctgaatcct gattgccctt 360
62 ctgctgagag gacacacgca gctgaagatg aatttggaa aagttagccgc ttgctacttt 420
64 aact atg gaa gag cag ggc cac agt gag atg gaa ata atc cca tca gag 469
65 Met Glu Glu Gln Gly His Ser Glu Met Glu Ile Ile Pro Ser Glu
66 1 5 10 15
68 tct cac ccc cac att caa tta ctg aaa agc aat cgg gaa ctt ctg gtc 517
69 Ser His Pro His Ile Gln Leu Leu Lys Ser Asn Arg Glu Leu Leu Val
70 20 25 30
72 act cac atc cgc aat act cag tgt ctg gtg gac aac ttg ctg aag aat 565
73 Thr His Ile Arg Asn Thr Gln Cys Leu Val Asp Asn Leu Leu Lys Asn
74 35 40 45

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/006,883

DATE: 12/17/2001
TIME: 10:47:08

Input Set : A:\RTS-0337 Sequence Listing.txt
Output Set: N:\CRF3\12172001\J006883.raw

76 gac tac ttc tcg gcc gaa gat gcg gag att gtg tgt gcc tgc ccc acc	613
77 Asp Tyr Phe Ser Ala Glu Asp Ala Glu Ile Val Cys Ala Cys Pro Thr	
78 50 55 60	
80 cag cct gac aag gtc cgc aaa att ctg gac ctg gta cag agc aag ggc	661
81 Gln Pro Asp Lys Val Arg Lys Ile Leu Asp Leu Val Gln Ser Lys Gly	
82 65 70 75	
84 gag gag gtg tcc gag ttc ctc tac ttg ctc cag caa ctc gca gat	709
85 Glu Glu Val Ser Glu Phe Phe Leu Tyr Leu Leu Gln Gln Leu Ala Asp	
86 80 85 90 95	
88 gcc tac gtg gac ctc agg cct tgg ctg ctg gag atc ggc ttc tcc cct	757
89 Ala Tyr Val Asp Leu Arg Pro Trp Leu Leu Glu Ile Gly Phe Ser Pro	
90 100 105 110	
92 tcc ctg ctc act cag agc aaa gtc gtg gtc aac act gac cca gtg agc	805
93 Ser Leu Leu Thr Gln Ser Lys Val Val Val Asn Thr Asp Pro Val Ser	
94 115 120 125	
96 agg tat acc cag cag ctg cga cac cat ctg ggc cgt gac tcc aag ttc	853
97 Arg Tyr Thr Gln Gln Leu Arg His His Leu Gly Arg Asp Ser Lys Phe	
98 130 135 140	
100 gtg ctg tgc tat gcc cag aag gag gag ctg ctg gag gag atc tac	901
101 Val Leu Cys Tyr Ala Gln Lys Glu Glu Leu Leu Glu Glu Ile Tyr	
102 145 150 155	
104 atg gac acc atc atg gag ctg gtt ggc ttc agc aat gag agc ctg ggc	949
105 Met Asp Thr Ile Met Glu Leu Val Gly Phe Ser Asn Glu Ser Leu Gly	
106 160 165 170 175	
108 agc ctg aac agc ctg gcc tgc ctc ctg gac cac acc acc ggc atc ctc	997
109 Ser Leu Asn Ser Leu Ala Cys Leu Leu Asp His Thr Thr Gly Ile Leu	
110 180 185 190	
112 aat gag cag ggt gag acc atc ttc atc ctg ggt gat gct ggg gtg ggc	1045
113 Asn Glu Gln Gly Glu Thr Ile Phe Ile Leu Gly Asp Ala Gly Val Gly	
114 195 200 205	
116 aag tcc atg ctg cta cag cgg ctg cag agc ctc tgg gcc acg ggc cgg	1093
117 Lys Ser Met Leu Leu Gln Arg Leu Gln Ser Leu Trp Ala Thr Gly Arg	
118 210 215 220	
120 cta gac gca ggg gtc aaa ttc ttc ttc cac ttt cgc tgc cgc atg ttc	1141
121 Leu Asp Ala Gly Val Lys Phe Phe His Phe Arg Cys Arg Met Phe	
122 225 230 235	
124 agc tgc ttc aag gaa agt gac agg ctg tgt ctg cag gac ctg ctc ttc	1189
125 Ser Cys Phe Lys Glu Ser Asp Arg Leu Cys Leu Gln Asp Leu Leu Phe	
126 240 245 250 255	
128 aag cac tac tgc tac cca gag cgg gac ccc gag gag gtg ttt gcc ttc	1237
129 Lys His Tyr Cys Tyr Pro Glu Arg Asp Pro Glu Glu Val Phe Ala Phe	
130 260 265 270	
132 ctg ctg cgc ttc ccc cac gtg gcc ctc acc ttc gat ggc ctg gac	1285
133 Leu Leu Arg Phe Pro His Val Ala Leu Phe Thr Phe Asp Gly Leu Asp	
134 275 280 285	
136 gag ctg cac tcg gac ttg gac ctg agc cgc gtg cct gac agc tcc tgc	1333
137 Glu Leu His Ser Asp Leu Asp Leu Ser Arg Val Pro Asp Ser Ser Cys	
138 290 295 300	
140 ccc tgg gag cct gcc cac ccc ctg gtc ttg ctg gcc aac ctg ctc agt	1381

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/006,883

DATE: 12/17/2001
TIME: 10:47:08

Input Set : A:\RTS-0337_Sequence_Listing.txt
Output Set: N:\CRF3\12172001\J006883.raw

141	Pro	Trp	Glu	Pro	Ala	His	Pro	Leu	Val	Leu	Leu	Ala	Asn	Leu	Leu	Ser
142				305				310				315				
144	ggg	aag	ctg	ctc	aag	ggg	gct	agc	aag	ctg	ctc	aca	gcc	cgc	aca	ggc
145	Gly	Lys	Leu	Leu	Lys	Gly	Ala	Ser	Lys	Leu	Leu	Thr	Ala	Arg	Thr	Gly
146	320				325				330			335				
148	atc	gag	gtc	ccg	cgc	cag	ttc	ctg	cgg	aag	aag	gtg	ctt	ctc	cgg	ggc
149	Ile	Glu	Val	Pro	Arg	Gln	Phe	Leu	Arg	Lys	Lys	Val	Leu	Leu	Arg	Gly
150				340					345			350				
152	ttc	tcc	ccc	agc	cac	ctg	cgc	gcc	tat	gcc	agg	agg	atg	ttc	ccc	gag
153	Phe	Ser	Pro	Ser	His	Leu	Arg	Ala	Tyr	Ala	Arg	Arg	Met	Phe	Pro	Glu
154				355					360			365				
156	cgg	gcc	ctg	cag	gac	cgc	ctg	ctg	agc	cag	ctg	gag	gcc	aac	ccc	aac
157	Arg	Ala	Leu	Gln	Asp	Arg	Leu	Leu	Ser	Gln	Leu	Glu	Ala	Asn	Pro	Asn
158	370				375				380							
160	ctc	tgc	agc	ctg	tgc	tct	gtg	ccc	ctc	ttc	tgc	tgg	atc	atc	ttc	cgg
161	Leu	Cys	Ser	Leu	Cys	Ser	Val	Pro	Leu	Phe	Cys	Trp	Ile	Ile	Phe	Arg
162	385				390				395							
164	tgc	ttc	cag	cac	ttc	cgt	gct	gcc	ttt	gaa	ggc	tca	cca	cag	ctg	ccc
165	Cys	Phe	Gln	His	Phe	Arg	Ala	Ala	Phe	Glu	Gly	Ser	Pro	Gln	Leu	Pro
166	400				405				410			415				
168	gac	tgc	acg	atg	acc	ctg	aca	gat	gtc	ttc	ctc	ctg	gtc	act	gag	gtc
169	Asp	Cys	Thr	Met	Thr	Leu	Thr	Asp	Val	Phe	Leu	Leu	Val	Thr	Glu	Val
170				420					425			430				
172	cat	ctg	aac	agg	atg	cag	ccc	agc	agc	ctg	gtg	cag	cgg	aac	aca	cgc
173	His	Leu	Asn	Arg	Met	Gln	Pro	Ser	Ser	Leu	Val	Gln	Arg	Asn	Thr	Arg
174				435					440			445				
176	agc	cca	gtg	gag	acc	ctc	cac	gcc	ggc	cgg	gac	act	ctg	tgc	tcg	ctg
177	Ser	Pro	Val	Glu	Thr	Leu	His	Ala	Gly	Arg	Asp	Thr	Leu	Cys	Ser	Leu
178	450				455				460							
180	ggg	cag	gtg	gcc	cac	cgg	ggc	atg	gag	aag	agc	ctc	ttt	gtc	ttc	acc
181	Gly	Gln	Val	Ala	His	Arg	Gly	Met	Glu	Lys	Ser	Leu	Phe	Val	Phe	Thr
182	465				470				475							
184	cag	gag	gag	gtg	cag	gcc	tcc	ggg	ctg	cag	gag	aga	gac	atg	cag	ctg
185	Gln	Glu	Glu	Val	Gln	Ala	Ser	Gly	Leu	Gln	Glu	Arg	Asp	Met	Gln	Leu
186	480				485				490			495				
188	ggc	ttc	ctg	cgg	gct	ttg	ccg	gag	ctg	ggc	ccc	ggg	ggt	gac	cag	cag
189	Gly	Phe	Leu	Arg	Ala	Leu	Pro	Glu	Leu	Gly	Pro	Gly	Gly	Asp	Gln	Gln
190				500					505			510				
192	tcc	tat	gag	ttt	ttc	cac	ctc	acc	ctc	cag	gcc	ttc	ttt	aca	gcc	ttc
193	Ser	Tyr	Glu	Phe	Phe	His	Leu	Thr	Leu	Gln	Ala	Phe	Phe	Thr	Ala	Phe
194				515					520			525				
196	ttc	ctc	gtg	ctg	gac	gac	agg	gtg	ggc	act	cag	gag	ctg	ctc	agg	ttc
197	Phe	Leu	Val	Leu	Asp	Asp	Arg	Val	Gly	Thr	Gln	Glu	Leu	Leu	Arg	Phe
198	530				535				540							
200	ttc	cag	gag	tgg	atg	ccc	cct	gcg	ggg	gca	gcg	acc	acg	tcc	tgc	tat
201	Phe	Gln	Glu	Trp	Met	Pro	Pro	Ala	Gly	Ala	Ala	Thr	Thr	Ser	Cys	Tyr
202	545				550				555							
204	cct	ccc	ttc	ctc	ccg	ttc	cag	tgc	ctg	cag	ggc	agt	ggt	ccg	gcg	ccg
205	Pro	Pro	Phe	Leu	Pro	Phe	Gln	Cys	Leu	Gln	Gly	Ser	Gly	Pro	Ala	Arg

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/006,883

DATE: 12/17/2001

TIME: 10:47:08

Input Set : A:\RTS-0337 Sequence Listing.txt

Output Set: N:\CRF3\12172001\J006883.raw

206	560	565	570	575	
208	gaa gac ctc ttc aag aac aag gat cac ttc cag ttc acc aac ctc ttc				2197
209	Glu Asp Leu Phe Lys Asn Lys Asp His Phe Gln Phe Thr Asn Leu Phe				
210	580	585	585	590	
212	ctg tgc ggg ctg ttg tcc aaa gcc aaa cag aaa ctc ctg cgg cat ctg				2245
213	Leu Cys Gly Leu Leu Ser Lys Ala Lys Gln Lys Leu Leu Arg His Leu				
214	595	600	600	605	
216	gtg ccc gcg gca gcc ctg agg aga aag cgc aag gcc ctg tgg gca cac				2293
217	Val Pro Ala Ala Leu Arg Arg Lys Arg Lys Ala Leu Trp Ala His				
218	610	615	615	620	
220	ctg ttt tcc agc ctg cgg ggc tac ctg aag agc ctg ccc cgc gtt cag				2341
221	Leu Phe Ser Ser Leu Arg Gly Tyr Leu Lys Ser Leu Pro Arg Val Gln				
222	625	630	630	635	
224	gtc gaa agc ttc aac cag gtg cag gcc atg ccc acg ttc atc tgg atg				2389
225	Val Glu Ser Phe Asn Gln Val Gln Ala Met Pro Thr Phe Ile Trp Met				
226	640	645	650	655	
228	ctg cgc tgc atc tac gag aca cag agc cag aag gtg ggg cag ctg gcg				2437
229	Leu Arg Cys Ile Tyr Glu Thr Gln Ser Gln Lys Val Gly Gln Leu Ala				
230	660	665	665	670	
232	gcc agg ggc atc tgc gcc aac tac ctc aag ctg acc tac tgc aac gcc				2485
233	Ala Arg Gly Ile Cys Ala Asn Tyr Leu Lys Leu Thr Tyr Cys Asn Ala				
234	675	680	680	685	
236	tgc tgc gcc gac tgc agc gcc ctc tcc ttc gtc ctg cat cac ttc ccc				2533
237	Cys Ser Ala Asp Cys Ser Ala Leu Ser Phe Val Leu His His Phe Pro				
238	690	695	695	700	
240	aag cgg ctg gcc cta gac cta gac aac aac aat ctc aac gac tac ggc				2581
241	Lys Arg Leu Ala Leu Asp Leu Asp Asn Asn Leu Asn Asp Tyr Gly				
242	705	710	710	715	
244	gtg cgg gag ctg cag ccc tgc ttc agc cgc ctc act gtt ctc aga ctc				2629
245	Val Arg Glu Leu Gln Pro Cys Phe Ser Arg Leu Thr Val Leu Arg Leu				
246	720	725	730	735	
248	agc gta aac cag atc act gac ggt ggg gta aag gtg cta agc gaa gag				2677
249	Ser Val Asn Gln Ile Thr Asp Gly Gly Val Lys Val Leu Ser Glu Glu				
250	740	745	745	750	
252	ctg acc aaa tac aaa att gtg acc tat ttg ggt tta tac aac aac cag				2725
253	Leu Thr Lys Tyr Lys Ile Val Thr Tyr Leu Gly Leu Tyr Asn Asn Gln				
254	755	760	760	765	
256	atc acc gat gtc gga gcc agg tac gtc acc aaa atc ctg gat gaa tgc				2773
257	Ile Thr Asp Val Gly Ala Arg Tyr Val Thr Lys Ile Leu Asp Glu Cys				
258	770	775	775	780	
260	aaa ggc ctc acg cat ctt aaa ctg gga aaa aac aaa ata aca agt gaa				2821
261	Lys Gly Leu Thr His Leu Lys Leu Gly Lys Asn Lys Ile Thr Ser Glu				
262	785	790	790	795	
264	gga ggg aag tat ctc gcc ctg gct gtg aag aac agc aaa tca atc tct				2869
265	Gly Gly Lys Tyr Leu Ala Leu Ala Val Lys Asn Ser Lys Ser Ile Ser				
266	800	805	810	815	
268	gag gtt ggg atg tgg ggc aat caa gtt ggg gat gaa gga gca aaa gcc				2917
269	Glu Val Gly Met Trp Gly Asn Gln Val Gly Asp Glu Gly Ala Lys Ala				
270	820	825	825	830	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/006,883

DATE: 12/17/2001

TIME: 10:47:08

Input Set : A:\RTS-0337 Sequence Listing.txt

Output Set: N:\CRF3\12172001\J006883.raw

272	ttc	gca	gag	gct	ctg	cg	aa	cac	ccc	agc	ttg	acc	acc	ctg	agt	ctt	2965					
273	Phe	Ala	Glu	Ala	Leu	Arg	Asn	His	Pro	Ser	Leu	Thr	Thr	Leu	Ser	Leu						
274																845						
	835															840						
276	g	cg	tcc	aa	c	gg	c	atc	tcc	aca	gaa	gga	aag	agc	ctt	g	cg	agg	g	cc	3013	
277	Ala	Ser	Asn	Gly	Ile	Ser	Thr	Glu	Gly	Gly	Lys	Ser	Leu	Ala	Arg	Ala						
278																855		860				
	850															860						
280	ctg	cag	cag	aa	c	ac	g	tct	cta	gaa	ata	ctg	tgg	ctg	acc	caa	aa	at	gaa		3061	
281	Leu	Gln	Gln	Asn	Thr	Ser	Leu	Glu	Ile	Leu	Trp	Leu	Thr	Gln	Asn	Glu						
282																865		870		875		
	865															870		875				
284	ctc	aa	c	gat	gaa	gt	g	ca	g	ag	at	tg	g	ca	aa	at	g	tc	aa		3109	
285	Leu	Asn	Asp	Glu	Val	Ala	Glu	Ser	Leu	Ala	Glu	Met	Leu	Lys	Val	Asn						
286	880															885		890		895		
288	cag	ac	g	tta	aag	ca	tta	tgg	ctt	atc	cag	aat	cag	atc	aca	g	ct	aag			3157	
289	Gln	Thr	Leu	Lys	His	Leu	Trp	Leu	Ile	Gln	Asn	Gln	Ile	Thr	Ala	Lys						
290																900		905		910		
292	ggg	act	g	cc	cag	ct	g	ca	g	at	g	cg	tta	cag	ag	ac	act	gg	ca	ta	ac	3205
293	Gly	Thr	Ala	Gln	Leu	Ala	Asp	Ala	Leu	Gln	Ser	Asn	Thr	Gly	Ile	Thr						
294																915		920		925		
296	gag	att	tgc	ct	a	at	g	ga	aa	c	tg	at	aa	cc	g	ag	g	cc	aa	gt	3253	
297	Glu	Ile	Cys	Leu	Asn	Gly	Asn	Leu	Ile	Lys	Pro	Glu	Glu	Ala	Lys	Val						
298																930		935		940		
300	tat	gaa	gat	gag	aag	cg	g	tt	c	t	tg	t	g	aa	gg	at	gt	ct	tc	tc	3306	
301	Tyr	Glu	Asp	Glu	Lys	Arg	Ile	Ile	Cys	Phe												
302																945		950				
304	gggg	tttt	tt	gg	gg	cc	tt	gg	gg	cc	tt	gg	gg	cc	tt	gg	gg	cc	tt	gg	gg	3366
306	gt	ct	taa	agg	gg	cc	tt	gg	gg	cc	tt	gg	gg	cc	tt	gg	gg	cc	tt	gg	gg	3426
308	cag	tt	cc	c	ct	tg	c	gg	gg	cc	tt	gg	gg	cc	tt	gg	gg	cc	tt	gg	gg	3486
310	aaaaa	aga	at	gt	gt	tt	tg	cc	gg	cc	tt	gg	gg	cc	tt	gg	gg	cc	tt	gg	gg	3546
312	at	tg	cc	t	tt	at	tt	tt	gg	cc	tt	gg	gg	cc	tt	gg	gg	cc	tt	gg	gg	3606
314	gagg	cc	cag	cc	tc	ac	cc	tt	cc	tt	gg	gg	cc	tt	gg	gg	cc	tt	gg	gg	gg	3666
316	cc	cg	ct	tt	tt	catt	gaa	ag	at	tg	gg	gg	at	tg	cc	aa	gt	tt	tt	gg	aa	3726
318	aaa	ac	gt	tt	tt	tgt	gg	at	tt	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	3786
320	cc	at	tg	tat	tt	tat	tt	tt	cc	tt	cc	tt	cc	3846								
322	at	tt	tg	act	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	3906
324	tta	at	ttt	tt	at	c	c	t	c	t	c	t	c	t	c	t	c	t	c	t	c	3966
326	ttag	ct	tt	gg	tc	ta	aa	ga	at	tg	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	4026
328	tg	ct	taa	gg	gg	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	4086
330	aga	at	gt	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	4146
332	caa	aa	at	gt	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	4206
334	agc	ag	ct	aa	gg	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	tt	cc	4266
336	agc	ag	ca	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	4326
338	gggg	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	tt	4386
340	aa	ac																			4390	
343	<210>	SEQ	ID	NO:	4																	
344	<211>	LENGTH:	19																			
345	<212>	TYPE:	DNA																			
346	<213>	ORGANISM:	Artificial Sequence																			
348	<220>	FEATURE:																				
350	<223>	OTHER INFORMATION:	PCR Primer																			

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

fmj →

10/06/883 6

<210> 13
<211> 000
<212> DNA
<213> Homo sapiens

<220>

<400> 13
000

delete all this - see item 8
on End Summary
sheet
for proper format

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/006,883

DATE: 12/17/2001
TIME: 10:47:09

Input Set : A:\RTS-0337 Sequence Listing.txt
Output Set: N:\CRF3\12172001\J006883.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:428 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:1166 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:1170 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:1346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:1347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:1375 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (13) SEQUENCE:
L:1388 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:1394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:1808 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:1812 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:1820 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:1824 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:1832 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:1840 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:1856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:1857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:3507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:3615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <i>10/006 883</i>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
8 <input checked="" type="checkbox"/> Skipped Sequences (NEW RULES)	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	<i>use this format</i>
10 <input type="checkbox"/> Invalid <213> Response	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
11 <input type="checkbox"/> Use of <220>	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
13 <input type="checkbox"/> Misuse of n	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	